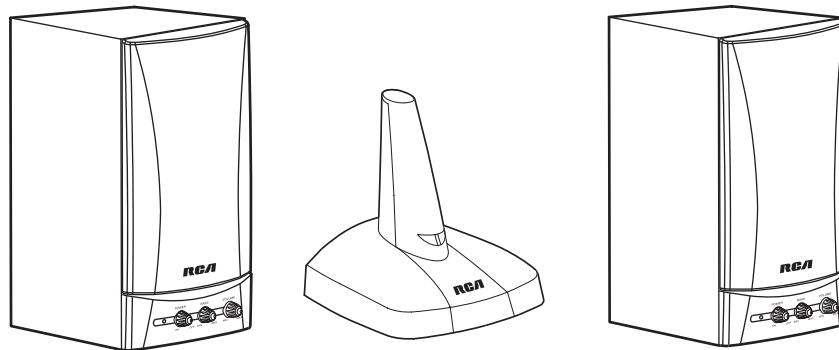


**RCA**

## Portable 900 MHz Wireless Speaker System



Thank you for purchasing the RCA Portable 900 MHz Wireless Speaker System. Your system gives you high-quality stereo sound in the 900 MHz band to almost anywhere in or around your home. Your Speaker System's three selectable channels, PLL (Phase-Locked Loop) circuitry and built-in antenna give you precise tuning, so you can enjoy your favorite music while you exercise or work around your yard or house — up to 300 feet away from your stereo.

Your system has compander circuitry for optimum dynamic range and noise reduction, a 10-watt RMS amplifier in each speaker, a 2-way speaker design with 5" woofer and 1" dome tweeter. It has true stereo operation with frequency ranges from 50Hz to 20KHz (6dB bandwidth), which will offer you the best sound. There is no pilot tone spill over in this system, and this improves your sound quality. Also there is Automatic Level Control for

audio input to RF transmitter for optimum FM deviation adjustment (plug and play, no user adjustment is required)

**Power/Transmitter Indicator** — lights green when the AC adapter is correctly plugged in and the audio signal is input to the transmitter.

**Power/Speaker Indicator** — lights green when the AC adapter is correctly plugged in or batteries are installed and POWER is set to **ON**.

Your system is powered by three AC adapters (included) or 16 "D" batteries (not supplied, 8 for each speaker)

# Getting Started

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Your package should contain the following items

## Package Contents

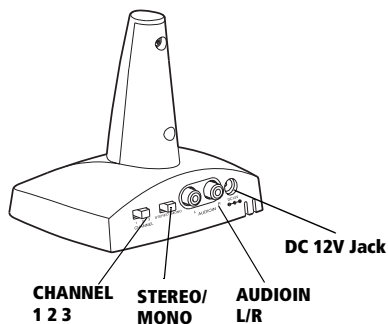
Transmitter (1)	Speaker (2)
AC Adapter for Transmitter (1)	AC Adapter for Speaker (2)
Dual RCA Male to Dual RCA Male Cable (1)	$\frac{1}{8}$ -inch Stereo Male to Dual RCA Female Adapter (1)
3-foot Cable with $\frac{1}{8}$ -inch Stereo Male to Dual $\frac{1}{8}$ -inch Stereo Female (1)	

## Installing the Transmitter

### Choosing a Location

In order to achieve the best performance, position the transmitter as far as possible from other electronic devices such as TVs, receivers, or VCRs. Radio interference from these devices could affect your system's performance.

Position the transmitter away from large metal objects, as these could block your transmitter's signals. Try several locations for the transmitter. Select the location that provides the best performance. Set up the transmitter to send a wireless signal to the speakers.



## Connecting to AC Power

Connect the transmitter to AC power with the supplied 12V, 250mA AC adapter. Plug the supplied AC adapter's barrel plug into the transmitter's **DC 12V** jack, then plug the adapter into a standard AC outlet.

### Cautions:

- You must use a Class 2 power source that supplies 12 volts DC and delivers at least 250mA. Its center tip must be set to positive and its plug must fit the transmitter's **DC 12V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications will damage the transmitter or the adapter.
- Always connect the AC adapter to the transmitter before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the transmitter.

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## Connecting to an Audio Source

You can connect the transmitter to your audio source's left and right audio output jacks or its headphone jack.

### Cautions:

- Do not connect the transmitter to your audio source's speaker output. Doing so could damage the transmitter and the audio source.
  - If you connected the transmitter to an audio source's headphone jack, set the audio source's volume control to its middle-position.
1. Connect one end of the supplied audio patch cord to the transmitter's audio jacks (white plug to **L AUDIO IN** and red plug to **R AUDIO IN**).
  2. *If you are using the audio source's output jacks*, connect the white and red plugs at the other end of the patch cord directly to the audio source's corresponding left (white) and right (red) audio jacks.

*If you are using your audio source's stereo headphone jack*, connect the patch cord's white and red plugs to the white and red phono jacks on the phono side of the  $\frac{1}{8}$ -inch supplied adapter.

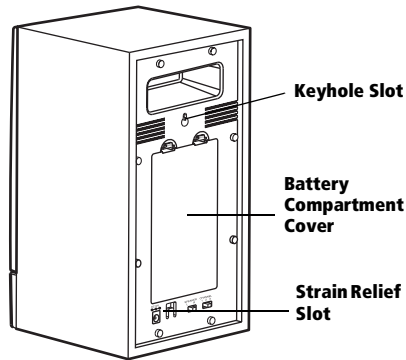
*If your audio source has a  $\frac{1}{8}$ -inch headphone jack*, insert the adapter's  $\frac{1}{8}$ -inch stereo plug into the audio source's HEADPHONE jack.

## Mode Switch

For normal stereo use, set **STEREO/MONO**, on the back of the transmitter, to **STEREO**. If you are using a monaural system, set **STEREO/MONO** to **MONO**.

# Installing a Speaker

## Connecting Power



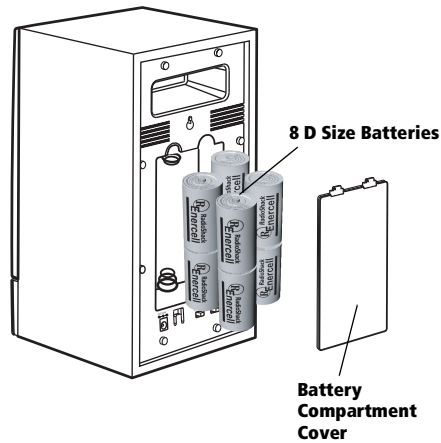
## Installing Batteries

You can use 16 (8 for each speaker) D size batteries (not supplied) to power the speakers. Batteries are available at your local RadioShack store or online at [www.radioshack.com](http://www.radioshack.com).

### Battery Notes:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the speakers for a week or longer, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.
- Dispose of old batteries promptly and properly.
- Do not burn or bury batteries.

1. Press the two tabs located on the back of the speaker and open the battery compartment cover.
2. Insert the batteries in the compartment according to the polarity symbols (+ and -) marked inside the battery compartment.



3. Replace the battery compartment cover and make sure the cover is secured prior to moving the speaker.

### Notes

- Unplugging the supplied AC adapter causes the batteries to automatically power the speaker.
- When the AC adapter is used, the batteries are automatically disconnected from the speaker.
- When the speakers POWER LED blinks, replace the batteries.

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## Connecting AC Power

1. Insert the supplied 12V, 1800mA AC adapter's barrel plug into the **DC 12V** jack located at the back of the speaker.
2. Plug the other end of the AC Adapter into an AC wall outlet.
3. Route the adapter's cord through the strain relief slot on the back of the speaker.

Repeat the above steps for the other speaker.

## Mounting the Speakers

To mount a speaker on the wall, you need a screw (not supplied) with a head that fits into the keyhole slot on the back of the speaker.

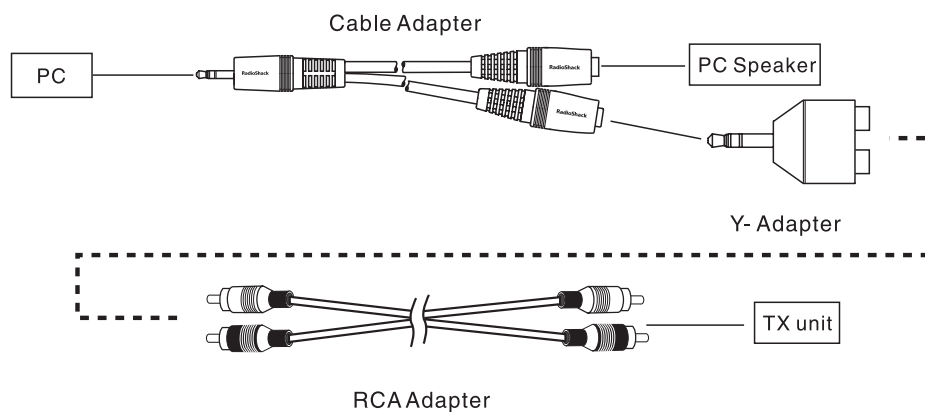
1. Select a location and drill a hole at the location.
2. Thread a screw into the hole until the screw's head extends about 15mm from the wall.
3. Align the keyhole on the speaker with the screw head in the wall, then slide the speaker downward to secure it.

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## Using Your System with Your PC

Follow these steps to use your speakers with your computer.

1. Connect the male end of the supplied cable adapter ( $\frac{1}{8}$ -inch stereo male to dual- $\frac{1}{8}$ -inch stereo female cable) to your computer's audio output jack. Connect one of the cable ends to your existing computer speaker plug and connect the other unused  $\frac{1}{8}$ -inch female cable end to the supplied Y-Adapter ( $\frac{1}{8}$ -inch stereo male to Dual-RCA female adapter).
2. Connect one end of the RCA adapter (Dual RCA-to-RCA) to the white and red phono jacks on the phono side of the Y-adapter ( $\frac{1}{8}$ -inch stereo male to Dual-RCA female adapter).
3. Connect the RCA Adapter's (Dual RCA-to-RCA) left (white) cable end to the transmitter's **L AUDIO IN** jack and the right (red) cable end to the transmitter's **R AUDIO IN** jack.



## Operation

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### Listening Safety

To protect your hearing, follow these guidelines when you use the speaker system.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

### Using Your Speakers

Follow these steps to obtain maximum listening performance:

1. Turn on your audio source.  
See Transmitter AUTO ON/OFF below for the transmitter operation.
2. Set the transmitter to a frequency channel (**CHANNEL 1, 2, or 3**) that has no interference.  
Slide **CHANNEL 1 2 3** at the rear of the speakers to select the same channel selected on the transmitter.
3. Turn on each speaker (Left and Right speakers) by rotating **POWER** from **OFF** to **ON**. You hear a click and the power indicator lights green.

4. Set **SPEAKER** on the back of each speaker to either **L** (for the Left stereo speaker) or **R** (for the Right stereo speaker).
5. Adjust **VOLUME** and **BASS** on each speaker between **MIN** (minimum) to **MAX** (maximum) to a comfortable listening level.
6. To turn off each speaker, rotate **POWER** from **ON** to **OFF**. The power indicator turns off.

### Transmitter AUTO ON/OFF

The transmitter has a built-in automatic transmit ON/OFF controller. When the AC adapter is correctly plugged in and the transmitter receives audio signals from the audio source, the transmitter's power LED lights green. The transmission stops if the transmitter does not receive audio signals from the audio source for about one minute. The transmitter's power LED turns off when the transmitter does not receive audio signals.

### Channel Select

If you receive interference, try changing the channel number on the transmitter and the speakers.

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## Care

Keep the system dry; if it gets wet, wipe it dry immediately. Use and store the system only in normal temperature environments. Handle the system carefully; do not drop it. Keep the system away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Caution: You might permanently damage your speakers by cleaning them with a vacuum cleaner. Use a feather duster or a soft cloth instead.

## Service and Repair

If your system is not performing as it should, take it to your local RadioShack store for assistance. To locate your nearest RadioShack, use the store locator feature on RadioShack's website ([www.radioshack.com](http://www.radioshack.com)), or call 1-800-The Shack (843-7422) and follow the menu options. Modifying or tampering with the system's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

## FCC Declaration of Conformity

This device complies with Part 15 of the **FCC Rules**. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference

received, including interference that may cause undesired operation.



Product:	Portable 900 MHz Wireless Speaker System
Model:	40-5029
Responsible Party:	RadioShack 100 Throckmorton Fort Worth, TX 76102
Phone:	817-415-3200

## The FCC Wants You to Know

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the **FCC Rules**. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:



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- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult your local RadioShack store or an experienced radio/TV technician for help.
  - If you cannot eliminate the interference, the FCC requires that you stop using your system.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

## Troubleshooting

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We do not expect you to have problems with your speaker system; however, if you do have problems, try these troubleshooting tips.

Problem	Solution
No sound.	Be sure the speakers are turned on.
	Replace the speakers' batteries.
	Be sure the AC adapter is plugged in and has power.
	Be sure all cables are securely connected.
	Be sure the audio source is turned on and turned to an active channel.
	Adjust the speakers' volume control.
Distorted audio.	Be sure the speakers and transmitter are set to the same channel.
	If you connected the transmitter to an audio source's headphone jack, reduce the audio source's volume.
	Change the position of the transmitter.
	The speakers are placed beyond the transmitter's effective range (approximately 300 feet). Move the speakers closer to the transmitter.
	Other 900 MHz transmissions are being picked up by the speaker's receiver (possibly from a 900 MHz cordless telephone). Change the transmitter's and the speaker's frequency channel.
	The speaker's batteries are low. Replace the batteries.

## Specifications

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### Transmitter

Carrier Frequency .....	911.4–918.4 MHz
Power Source .....	Unregulated 12V DC, Center Tip set to positive (+), 250 mA Use of any other power source may cause damage
Modulation Method .....	FM Modulation
Frequency Response .....	50 Hz–20 kHz (6 dB)
Approximate Measurement (HWD) .....	4½ × 4 × 4 Inches (116 × 106.2 × 107.2 mm)

### Speaker

Sensitivity .....	<2μV (with 20 dB S/N)
S/N Ratio (@-50 dBm) .....	>=70 dB (A weight)
Audio Distortion .....	<2%
Max. Audio output .....	>=10W
Approximate Measurement (HWD).....	11 × 6 × 7½ Inches (280 × 150 × 195 mm)
Power Source .....	Two Unregulated AC adapters (AC 120/60Hz ~DC 12V 1800mA) supplied Use of any other power source may cause damage For each speaker, DC 8 × D Size 1.5V Alkaline Batteries (Not supplied)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

## Optional Accessories

The following optional accessories are available at your local RadioShack store.

- Size D batteries
- ⅛-inch to ¼-inch Stereo Adapter
- Speaker Wall Mount Brackets
- Speaker Stands

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### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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